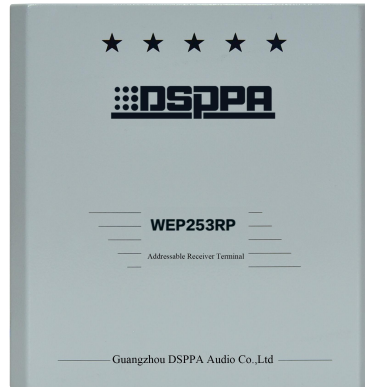# WEP 253 RP

Emergency Broadcast Multi-mode Terminal

Features

- ➢ All-weather design, selection of waterproof units, suitable for indoor and outdoor, long life, high sensitivity, clear and bright voice;
- ➢ Wireless addressable receiving, RDS subcarrier decoding, high reliability encryption means to ensure broadcast security;
- ➢ Built-in gas-discharge tube which can absorb high voltage and high current to protect device from lightning attacks, with high reliability.
- ➢ DSP core plus ARM architecture circuit , high sound quality output;
- ➢ Support the remote timing and digital volume control of the remote upper host, to solve the problem that mechanical potentiometer will fail for a long time;
- ➢ With DSPPA special control protocol, ultra-high sensitivity to receive, even in the weak signal can still   demodulate the control signal accurately;
- ➢ Can be customized for fixed frequency reception or automatic tracking transmitter frequency reception, super adaptability;
- ➢ Built-in high-fidelity amplifier circuit, the protection function is complete;
- ➢ With working status indicator, easy to determine the device failure;
- ➢ With reserved USB/ Network communication port, easy to set parameter and upgrade and maintenance;
- ➢ Support solar energy, wind energy, general electricity, line power supply and other energy supply methods (according to customer engineering);
- ➢ With no signal automatically standby and line output mute function, low power operation, saving energy, extension device life;
- ➢ Support platform OTA remote upgrade

*D*escription

WEP253RP is an emergency broadcast multi-mode terminal developed specifically for PA system., which integrates with the function of the FM receiving, network / TS audio decoding, signal amplification and supports wireless transmission.

The device is suitable for urban, rural emergency PA system; outdoor or indoor wireless sound reinforcement of campus, factory, park, square, park and other places. With DSPPA's wireless transmitter, multi-functional control host can form a complete PA

*S*pecification

Function Module	Parameter	Index
Performance	Receive Frequency	76-108MH z
	Frequency Response	20H z -15 k H z
	SNR	≥56dB
	FM RF signal input level	2-100dBuV
	Data demodulation	57 k H z ,RDS encoding
	Audio power	50W
	Freq. response	40H z -15kH z
	SNR	≥65dB
	Harmonic Distortion	≤1%(1KHz)
	One-way IP input	100/1000Mbps, TCP/UDP protocol
	One-way USB input	USB port For external 4G module
Network audio	Decoding or encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Sampling precision	24-bit
	Bit rate	64Kbps
	Effective frequency range	20Hz ~ 20kHz
Power	Standby power consumption	≤0.5W
	Full load power consumption	≤60W
	Supply Voltage and Current	AC100V-220V/DC24V-26V Input